

D. KRUSE

RE-RUN



1600

## RAW SEQUENCE LISTING

DATE: 03/04/2003

PATENT APPLICATION: US/09/804,733C

TIME: 14:52:01

Input Set : N:\vernette\US09804733C.raw

Output Set: N:\CRF4\03042003\I804733C.raw

1 <110> APPLICANT: WANG, QI ET AL.  
 2 <120> TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS  
 3 <130> FILE REFERENCE: MONS:016US  
 C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/804,733C  
 5 <141> CURRENT FILING DATE: 2001-03-13  
 6 <150> PRIOR APPLICATION NUMBER: PCT/US01/07957  
 7 <151> PRIOR FILING DATE: 2001-03-13  
 8 <160> NUMBER OF SEQ ID NOS: 29  
 9 <170> SOFTWARE: PatentIn Ver. 2.1  
 11 <210> SEQ ID NO: 1  
 12 <211> LENGTH: 5  
 13 <212> TYPE: PRT  
 14 <213> ORGANISM: Euthynnus pelamis  
 15 <400> SEQUENCE: 1  
 16       Leu Lys Pro Asn Met  
 17           1                   5  
 19 <210> SEQ ID NO: 2  
 20 <211> LENGTH: 4  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Euthynnus pelamis  
 23 <400> SEQUENCE: 2  
 24       Lys Pro Asn Met  
 25           1  
 27 <210> SEQ ID NO: 3  
 28 <211> LENGTH: 4  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Euthynnus pelamis  
 31 <400> SEQUENCE: 3  
 32       Val Val Tyr Pro  
 33           1  
 35 <210> SEQ ID NO: 4  
 36 <211> LENGTH: 15  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 41       Primer  
 42 <220> FEATURE:  
 43 <221> NAME/KEY: modified\_base  
 44 <222> LOCATION: (3)..(9)  
 45 <223> OTHER INFORMATION: N = A, C, G or T/U  
 46 <400> SEQUENCE: 4  
 W--> 47       ctnaarccna ayatg

ENTERED

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49 <210> SEQ ID NO: 5
50 <211> LENGTH: 60
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
55     Primer
56 <220> FEATURE:
57 <221> NAME/KEY: modified_base
58 <222> LOCATION: (3)..(54)
59 <223> OTHER INFORMATION: N = A, C, G, or I/U
60 <400> SEQUENCE: 5
W--> 61     ctnaarccna ayatgctnaa rccnaayatg ctnaarccna ayatgctnaa rccnaayatg 60
63 <210> SEQ ID NO: 6
64 <211> LENGTH: 60
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
69     Primer
70 <220> FEATURE:
71 <221> NAME/KEY: modified_base
72 <222> LOCATION: (7)..(58)
73 <223> OTHER INFORMATION: N = A, C, G or T/U
74 <400> SEQUENCE: 6
W--> 75     catrttnggy tttagcatrt tnggytttag catrttnggy tttagcatrt tnggytttag 60
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 25
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83     Primer
84 <220> FEATURE:
85 <221> NAME/KEY: modified_base
86 <222> LOCATION: (12)..(18)
87 <223> OTHER INFORMATION: N = A, C, G or T/U
88 <400> SEQUENCE: 7
W--> 89     aaagaattcc tnaarccnaa yatgc 25
91 <210> SEQ ID NO: 8
92 <211> LENGTH: 27
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
97     Primer
98 <220> FEATURE:
99 <221> NAME/KEY: modified_base
100 <222> LOCATION: (18)..(24)

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101 <223> OTHER INFORMATION: N = A, C, G or T/U
102 <400> SEQUENCE: 8
W--> 103      aaagcggccg ccatrttngg yttnagc      27
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106 <211> LENGTH: 20
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
111      Primer
112 <400> SEQUENCE: 9      20
113      taatacgact cactataggg
115 <210> SEQ ID NO: 10
116 <211> LENGTH: 19
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
121      Primer
122 <400> SEQUENCE: 10      19
123      cgatcaataa cgagtcgcc
125 <210> SEQ ID NO: 11
126 <211> LENGTH: 48
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131      Primer
132 <220> FEATURE:
133 <221> NAME/KEY: modified_base
134 <222> LOCATION: (3)..(48)
135 <223> OTHER INFORMATION: N = A, C, G or T/U
136 <400> SEQUENCE: 11
W--> 137      gtngtntayc cngtngnta yccngtngtn tayccngtng tntayccn      48
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 48
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
145      Primer
146 <220> FEATURE:
147 <221> NAME/KEY: modified_base
148 <222> LOCATION: (1)..(46)
149 <223> OTHER INFORMATION: N = A, C, G or T/U
150 <400> SEQUENCE: 12
W--> 151      nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac      48
153 <210> SEQ ID NO: 13
154 <211> LENGTH: 33

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Input Set : N:\vernette\US09804733C.raw

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155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
159     Primer
160 <220> FEATURE:
161 <221> NAME/KEY: modified_base
162 <222> LOCATION: (12)..(33)
163 <223> OTHER INFORMATION: N = A, C, G or T/U
164 <400> SEQUENCE: 13
W--> 165     aaaggatccg tngtntaycc ngtngtntay ccn                                     33
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 33
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
173     Primer
174 <220> FEATURE:
175 <221> NAME/KEY: modified_base
176 <222> LOCATION: (10)..(31)
177 <223> OTHER INFORMATION: N = A, C, G or T/U
178 <400> SEQUENCE: 14
W--> 179     cccaagcttn ggrrtanacna cnggrtanac nac                                     33
181 <210> SEQ ID NO: 15
182 <211> LENGTH: 45
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
187     Primer
188 <220> FEATURE:
189 <221> NAME/KEY: modified_base
190 <222> LOCATION: (3)..(45)
191 <223> OTHER INFORMATION: N = A, C, G or T/U
192 <400> SEQUENCE: 15
W--> 193     gtncncncng tncncncngt nccncngtn ccncncngtnc cncn                                     45
195 <210> SEQ ID NO: 16
196 <211> LENGTH: 45
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
201     Primer
202 <220> FEATURE:
203 <221> NAME/KEY: modified_base
204 <222> LOCATION: (1)..(43)
205 <223> OTHER INFORMATION: N = A, C, G or T/U
206 <400> SEQUENCE: 16

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/804,733C

DATE: 03/04/2003  
TIME: 14:52:02

Input Set : N:\vernette\US09804733C.raw  
Output Set: N:\CRF4\03042003\I804733C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 3,9  
Seq#:5; N Pos. 3,9,18,24,33,39,48,54  
Seq#:6; N Pos. 7,13,22,28,37,43,52,58  
Seq#:7; N Pos. 12,18  
Seq#:8; N Pos. 18,24  
Seq#:11; N Pos. 3,6,12,15,18,24,27,30,36,39,42,48  
Seq#:12; N Pos. 1,7,10,13,19,22,25,31,34,37,43,46  
Seq#:13; N Pos. 12,15,21,24,27,33  
Seq#:14; N Pos. 10,16,19,22,28,31  
Seq#:15; N Pos. 3,6,9,12,15,18,21,24,27,30,33,36,39,42,45  
Seq#:16; N Pos. 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43  
Seq#:17; N Pos. 12,15,18,21,24,27,30,33,36  
Seq#:18; N Pos. 10,13,16,19,22,25,28,31,34  
Seq#:20; N Pos. 3,6,9,12,18,27,30,33,36,42  
Seq#:21; N Pos. 7,13,16,19,22,31,37,40,43,46  
Seq#:22; N Pos. 13,16,19,22,28,37,40,43,46,52  
Seq#:23; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82  
Seq#:25; N Pos. 3,6,9,15,18,21,24,30,39,42,45,51,54,57,60,66  
Seq#:26; N Pos. 7,13,16,19,22,28,31,34,43,49,52,55,58,64,67,70  
Seq#:27; N Pos. 13,16,19,25,28,31,34,40,49,52,55,61,64,67,70,76  
Seq#:28; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82

## VERIFICATION SUMMARY

DATE: 03/04/2003

PATENT APPLICATION: US/09/804,733C

TIME: 14:52:02

Input Set : N:\vernette\US09804733C.raw

Output Set: N:\CRF4\03042003\I804733C.raw

L:4 M:270 C: Current Application Number differs, Wrong Format  
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23  
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
M:341 Repeated in SeqNo=25  
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
M:341 Repeated in SeqNo=26  
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
M:341 Repeated in SeqNo=27  
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
M:341 Repeated in SeqNo=28